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Carmarthenshire County Council.

Annual Report

OF THE

County Medical Officer of Health

For the Year 1947.

CARMARTHEN:
PRINTED BY SPURRELL & SON, 37 KING STREET.

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PUBLIC HEALTH OFFICERS OF THE COUNTY COUNCIL.

County Medical Officer of Health, School Medical Officer, and Physician Superintendent of the County Isolation Hospitals:

R. EVANS, M.D., B.Sc., D.P.H.

Deputy County Medical Officer of Health, Deputy School Medical Officer, and Deputy Physician-Superintendent of the County Isolation Hospitals:

D. G. G. JONES, M.B., B.S., D.P.H. (commenced duties 1st Sept., '47).

Chief Dental Officer:

G. UNGOED GRIFFITHS, L.D.S., R.C.S.

Senior Administrative Assistant:

W. C. THOMAS, M.B.E.

Assistant Medical Officers:

GLADYS M. HERBERT, M.R.C.S., L.R.C.P., D.P.H.
E. H. BEYNON HOPKINS, M.R.C.S., L.R.C.P.
ELIZABETH T. DAVIES-HUMPHREYS, M.R.C.S., L.R.C.P.
D. O. DAVIES, M.R.C.S., L.R.C.P. (commenced duties 20th Sept., '47).
C. T. BAYNES, M.D., D.P.H. (part-time) (resigned 14th June, '47).
M. NEUGROESCHL, M.D.(Vienna) (part-time).
ELFYN T. JONES, B.Sc., M.R.C.S., L.R.C.P., D.P.H. (part-time).

Assistant Dental Officers:

T. E. MATHIAS, L.R.C.P., L.D.S., R.C.S.
W. U. AUERBACH, M.D.(Berlin) (Temporary).
F. G. DAY (Temporary).
GWILYM EVANS, L.D.S., R.C.S. (Part-time).

Pathologist:

N. A. F. YOUNG, M.B., B.S.

Bacteriologists under the Medical Research Council:
M. T. PARKER, M.B., B.Ch.
I. KENNEDY, M.B., B.Ch.

Clinical Tuberculosis Officers under the Welsh National Memorial Association:
J. T. JONES, B.Sc., M.B., Ch.B.
J. KENYON DAVIES, M.R.C.S., L.R.C.P.

Medical Officers of V.D. Clinic:
RHYS PATON, M.R.C.S., L.R.C.P.
D. E. THOMAS, M.B., B.S.

Obstetrician:
J. R. E. JAMES, M.B., F.R.C.S.

Orthopaedic Surgeon:
A. O. PARKER, C.M., Cardiff (resigned 31st Dec., '47).

Ophthalmic Surgeons:
E. K. ROY THOMAS, F.R.C.S., D.O.M.S., Swansea.
J. J. HEALY, M.B., Ch.B., Llanelly.

Ear, Nose and Throat Surgeons:
T. I. WILLIAMS, F.R.C.S., Llanelly.
C. P. ROBINSON, F.R.C.S., Swansea.
J. CROWTHER, F.R.C.S., Swansea.

Hon. Plastic Surgeon:
T. POMFRET KILNER, F.R.C.S., London.

Paediatrician:
ARTHUR G. WATKINS, M.D., F.R.C.P., Cardiff.

Dermatologist:
D. RHYS LEWIS, M.D., F.R.C.P., Swansea.

Dental Radiologist:
IWAN DAVIES, L.R.C.P., L.R.C.S., D.M.R.E., Swansea.

Orthodontist:
R. E. RIX, M.R.C.S., L.D.S., R.C.S., London.

Superintendent Health Visitor and Supervisor of Midwives:
MISS EUNICE JONES, S.R.N., S.C.M.

Senior Health Visitor:
MISS F. HUGHES, S.R.N., S.C.M. (commenced duties 1st Nov., '47).

Senior Orthopaedic Sister:
MISS E. R. BUCKLEY, C.S.P.

Assistant Orthopaedic Sister:
MISS G. E. ROBERTS, C.S.P. (commenced duties 13th Jan., '47)

Dental Attendants:
MISS M. R. WILLIAMS.
MISS MAIR AUBREY.
MISS E. V. LLOYD (commenced duties 10th Sept., '47).
MRS. A. B. LEWIS (Resigned 13th Jan., '47).
MRS. E. M. VALENTINE (resigned 20th June, '47).
MISS E. B. EVANS (commenced duties 6th Oct., '47).
MRS. V. M. ARUNDEL (part-time) (commenced duties 1st Oct., '47).

Home Teachers and Visitors for the Blind:
MRS. M. A. LEWIS.
MISS S. M. TIDMARSH.
MRS. W. DAVIES.

County Isolation Hospitals:
Matron—MISS B. E. COWARD, S.R.N., R.F.N.
Assistant Matron—MISS S. E. THOMAS, S.R.N., R.F.N.

Plasnewydd Mothercraft Hostel:
Matron—MRS. E. A. WILLIAMS, S.R.N., S.C.M.

County Analyst:
H. J. EVANS, B.Sc., F.I.C., F.C.S.

Inspectors under Food and Drugs Act:
Chief Inspector—D. R. WATKINS.
Deputy Chief Inspector—E. D. ROBERTS.

Public Assistance Medical Officers:

DISTRICT MEDICAL OFFICERS	25
MEDICAL OFFICERS OF INSTITUTIONS ...	4
PUBLIC VACCINATORS	23

Vaccination Officers	14

NURSING.

District.	Nurse.	Qualifications.
Whole-time Health Visitors.		
Amman Valley	R. A. Roberts ...	S.R.N. and S.C.M.
Ammanford	A. Howells	S.R.N., S.C.M. and Health Visitors' Certificate.
Trimsaran	H. E. James ...	S.R.N. and S.C.M.
Burry Port	F. M. Williams ...	S.R.N., S.C.M. and Health Visitors' Certificate.
Llanelly Rural	M. Jones	S.C.M., Health Visitors' Certificate, and Diploma in School Nursing and Hygiene.
Carmarthen Rural	D. Evans	S.R.N., S.C.M. and Health Visitors' Certificate.
St. Clears	M. E. E. Davies. ...	S.R.N., S.C.M., and Health Visitors' Certificate.
Carmarthen Borough	M. P. Phillips ...	S.R.N. and S.C.M.
Llanelly Borough	M. Hopkins	S.R.N.
	M. C. Jones ...	S.R.N. and S.C.M.
	G. Greene	S.R.N., S.C.M. and Health Visitors' Certificate.
	G. M. Roberts ...	S.R.N., S.C.M. and Health Visitors' Certificate.
	S. Thomas ...	S.R.N., S.C.M. and Health Visitors' Certificate.
District Nurse/Midwives/ Health Visitors.		
Drefach	E. Sprague ...	S.C.M.
Llangendeirne	M. E. John ...	S.C.M.
Gorslas	A. Anthony Jones ...	S.R.N. and S.C.M.
Tumble	H. E. A. Ratford ...	S.R.N., S.C.M. and R.F.N.
Saron	G. M. Lewis ...	S.R.N. and S.C.M.
Tycroes	M. Williams ...	S.R.N. and S.C.M.
Llangunnor	K. E. Critchley ...	S.C.M.
Abergwili	M. Evans	S.R.N. and S.C.M., R.F.N.
Nantgaredig	E. Thomas	S.R.N. and S.C.M.
Llangathen	E. Evans	S.R.N. and S.C.M.
Llanfihangel-Aberbythich ...	M. M. Davies ...	S.R.N. and S.C.M.
Llandilo (Town)	D. E. Yendle ...	S.R.N. and S.C.M.
Llandilo (South Ward) ...	E. A. Davies ...	S.R.N. and S.C.M.
Llandilo (North Ward) ...	E. J. Hughes ...	S.C.M.
Llansawel	M. L. James ...	S.R.N. and S.C.M. and Health Visitors' Certificate.
Talley	J. Evans	S.C.M.
Llanfynydd	E. A. Jones	S.C.M.
Llandovery	B. Davies	S.R.N. and S.C.M.
Cilycwm	E. G. Cox	S.C.M.
Caio	S. Jenkins	S.C.M.
Llangadock	C. Jones	S.R.N. and S.C.M.
Llansadwrn and Llanwrda	M. E. Precce... ...	S.C.M.
Newcastle Emlyn	V. J. Jones	S.R.N. and S.C.M.
Velindre	G. R. Luke ...	S.R.N. and S.C.M.
Ferryside	M. M. T. Richards-Jones.	S.C.M.
Llanstephan	A. M. Evans ...	S.R.N. and S.C.M.
Whitland	A. R. M. Evans ...	S.R.N., S.C.M. and Tb. Certificate.

District.	Nurse.	Qualifications.
Clynderwen	S. F. Riley	S.R.N. and S.C.M.
Felinfoel	A. R. Harries ...	S.R.N. and S.C.M.
Pontyates	M. B. Harries ...	S.R.N. and S.C.M.
Dafen	E. M. Jones ...	S.R.N., S.C.M. and Tb. Certificate.
Llanybyther	D. Jones	S.R.N. and S.C.M.
Pencader	E. Jenkins	S.C.M.
Kidwelly	G. M. Thomas ...	S.R.N. and S.C.M.
Pontyberem	O. Evans	S.R.N. and S.C.M.
Llandebie	C. Alewood ...	S.R.N. and S.C.M.
Penygroes	M. E. Gravelle ...	S.R.N. and S.C.M.
District Nurse/Midwives.		
Bettws	S. E. Davies ...	S.R.N. and S.C.M.
Ammanford	E. M. Edwards ...	S.R.N. and S.C.M.
Brynamman	A. James	S.R.N. and S.C.M.
Garnant	S. Jones	S.R.N. and S.C.M.
Cwmamman	M. E. Edwards ...	S.R.N. and S.C.M.
Llangennech	E. M. Davies ...	S.R.N. and S.C.M.
Llwynhendy	M. Drew	S.R.N. and S.C.M.
Laugharne	E. E. Keall ...	S.R.N. and S.C.M.
St. Clears	M. F. Walters ...	S.C.M.
Llanboidy	D. E. Davies ...	S.C.M.
Abernant	M. O. Davies ...	S.R.N. and S.C.M.
Conwil	R. G. Thomas ...	S.R.N. and S.C.M.
Mydrim and Trelech ...	S. S. Bowen ...	S.R.N. and S.C.M.
Pwll, Sandy and Furnace ...	A. E. James	S.R.N. and S.C.M.
Whole-time Midwives.		
Llanelly	E. A. Beynon ...	S C.M.
	M. Griffiths ...	S.R.N. and S.C.M.
	K. Y. Perrott ...	S.C.M.
	S. Webster ...	S.C.M.
	G. A. Rees ...	S.R.N. and S.C.M.
Carmarthen	E. M. Evans	S.C.M.
	E. M. Evans ...	S.R.N. and S.C.M.
Burry Port	O. G. Thomas ...	S.R.N. and S.C.M.
Pembrey	A. Evans	S.C.M.
Trimsaran	E. M. Thomas ...	S.R.N. and S.C.M.
Relief	D. Insley	S.R.N. and S.C.M.
	M. Jones	S.R.N. and S.C.M.
	M. E. Daniels ...	S.R.N. and S.C.M.

INTRODUCTION.

The year 1947 was notable for the work put in by the Health Department in preparing schemes under the National Health Service Act, 1946, and for the fusion of the Public Health and School Medical Departments into one properly co-ordinated County Health Department.

In the year under review, the birth-rate per 1,000 of the estimated population was 17.93, an increase of 1.23 on the previous year but 2.5 lower than that for England and Wales for 1947, and almost exactly the same difference as for 1946. Illegitimate births continue to fall as was expected, and for 1947, was one birth in 32, as compared with one in 22 for 1946 and one in 13 for 1945.

The death-rate for the year 1947 per 1,000 estimated population was 13.5, the same as in 1946; the figures for England and Wales were 12.0 for 1947 and 11.5 for 1946.

The mortality rate for infants under one year of age per 1,000 live births was 45.60, a decrease of 5.1 on that for 1946 when it was 50.7; that for England and Wales being 41.0 for 1947.

The maternal mortality rate per 1,000 live and still births was 2.94 as compared with 3.45 for the previous year, but as compared with 1.17 for England and Wales; the figure for the County continues to show slow improvement. Of the nine maternal deaths, only two were due to sepsis, none to abortion, the rest being due to other causes, some of which should diminish to vanishing point when obstetric facilities reach the highest standard possible.

The death-rate for cancer remained stationary at 1.8 per thousand population as it was in 1943, 1944, 1945 and 1946. A cancer diagnostic centre was opened at the Carmarthen Infirmary during the year, the centre being under the control of the Chief Radiotherapeutist of the Joint Cancer Committee of South Wales and Monmouthshire.

New cases of pulmonary tuberculosis and non-pulmonary tuberculosis notified during the year showed an increase, the rate per thousand population moving up from 1.3 to 1.39 in the former, and from 0.33 to 0.52 in the latter, but it is hoped that disability and death from the latter will be lessened by the advent of streptomycin and allied antibiotics.

A venereal diseases clinic was opened at Llanelly during the year; this clinic is conveniently situated within the grounds of the General Hospital. New cases of venereal diseases from the County numbered 68 syphilis, 4 soft sore and 57 gonorrhoea, a decrease on 1946 when the figures were 76, 2 and 72 respectively.

Plasnewydd, Burry Port, a Mothercraft Home for Unmarried Mothers, was taken over by the County Council from the Women's Voluntary Services on the 1st August, 1947. The Home fills a long-felt gap in the care of unmarried mothers and their children, and record must be made of the public spirit which prompted the Women's Voluntary Services to establish the Home.

The County Isolation Hospitals were again fortunate in not experiencing any shortage of Staff. During 1947, in common with the rest of the country, the epidemic of poliomyelitis was manifest in Carmarthenshire especially during August, September and October. During the year, 52 cases were confirmed as poliomyelitis and of these 41 made a complete recovery. All in all, this series of cases showed the epidemic to have been only of moderate severity, but it was also apparent that early hospital admission by the general practitioner made the most important contribution to the prevention of serious disability. No death occurred in this series of cases.

As in 1946, there was no death at the Hospital from diphtheria, and only two cases were confirmed for the whole of 1947; a notable achievement for immunisation when past records are scrutinised. There was, however, a death recorded from the disease in the County during 1947; a young child, unimmunised, who did not receive medical attention until late in the disease when heart failure had become well established. This serves to show the importance of early immunisation, if only to prevent the death of an unlucky child whose throat condition may not unduly worry parents, who are becoming unfamiliar with diphtheria, until it is too late.

I would record my appreciation of the loyal co-operation of all members of the professional and clerical staff and especially the Administrator of the Department, Mr. W. C. Thomas, M.B.E., for his most valuable help and ungrudging assistance especially in formulating the Local Health Authority Schemes under the Health Service Act.

R. EVANS,
County Medical Officer of Health.

May, 1949.

STATISTICS AND SOCIAL CONDITIONS OF THE ADMINISTRATIVE COUNTY.

Area: 588,472 acres.

Population—Census 1931: 179,100.

Estimated by Registrar General for 1947: 165,130.

Product of a penny rate for general purposes: £2,259.

Rateable value for general purposes: £574,030.

BIRTHS AND DEATHS.

Live Births :

	Male.	Female.	Total.
Legitimate	1483	1383	2866
Illegitimate	62	32	94
Total	1545	1415	2960

Birth rate per 1,000 of estimated population : 17.93.

The following table shews the number of live births registered and the birth rates during the past five years:—

	Urban.		Rural.		Admin. County.		England & Wales
Year.	No. Reg.	Rate.	No. Reg.	Rate.	No. Reg.	Rate.	Rate.
1943	1097	15.9	1545	15.9	2642	15.9	16.5
1944	1194	17.6	1730	17.8	2924	17.7	17.6
1945	992	14.7	1605	16.8	2597	15.9	16.1
1946	1145	16.7	1615	16.8	2760	16.7	19.1
1947	1276	18.55	1684	17.47	2960	17.93	20.5

Stillbirths.

Male.	Female.	Total.
57	37	94

Rate per 1,000 (Live and Still) Births: 30.78.

Deaths :

Male.	Female.	Total.
1185	1053	2238

Death rate per 1,000 of estimated population: 13.55.

Deaths from Puerperal Causes :

	Deaths.	Rate per 1000 (Live and Still)	England and Wales.
Puerperal Sepsis ...	2 ...	0.65 ...	0.26
Other Causes	7 ...	2.29 ...	0.85
Total ...	9 ...	2.94 ...	1.11

The maternal mortality rate per 1,000 births was 2.94 compared with 1.17 for England and Wales.

Death rate of Infants under 1 year of age :

All Infants per 1,000 live births	45.60
Legitimate per 1,000 live births	42.57
Illegitimate per 1,000 live births	3.04

Deaths from Other Causes :

Deaths from Measles (all ages)	2
Deaths from Diarrhoea (under 2 years)	9
Deaths from Whooping Cough	2
Deaths from Diphtheria	1

The following table gives a comparison of the total number of deaths and death rates during the past five years:—

	Urban.		Rural.		Admin. County.		Rate for
Year.	Deaths.	Crude D.R.	Deaths.	Crude D.R.	Deaths.	Crude D.R.	Eng. & Wales
1943	883	12.8	1242	12.8	2125	12.8	12.1
1944	864	12.7	1259	13.0	2123	12.9	11.6
1945	905	13.4	1177	12.3	2082	12.7	11.4
1946	923	13.4	1308	13.6	2231	13.5	11.5
1947	976	14.19	1262	13.09	2238	13.55	12.0

The following table gives the causes of death in 1947 at specified ages:—

Cause of Death.	All Ages.	Under 1 year.	1 and under 5 years.	5 and under 15 years.	15 and under 45 years.	45 and under 65 years.	65 and over.
All Causes—Males	1185	76	8	10	93	326	672
Females	1053	59	6	8	99	228	653
Total	2238	135	14	18	192	554	1325
1. Typhoid and Paratyphoid Fevers	1	...	...	...	...	1	...
2. Cerebro-Spinal Fever ...	...	...	...	...	...	...	...
3. Scarlet Fever	...	...	...	...	...	...	...
4. Whooping Cough	2	2	...	...	...	...	...
5. Diphtheria	1	...	1	...	...	...	...
6. Tuberculosis of Respiratory System	100	...	...	...	52	38	10
7. Other forms of Tuberculosis	17	...	2	1	11	2	1
8. Syphilitic Diseases ...	6	...	...	...	...	4	2
9. Influenza	20	1	...	...	...	7	12
10. Measles	2	1	1	...	...	...	...
11. Ac. Polio-myelitis and Polio-enceph.	1	...	...	1	...	...	...
12. Ac. enceph.	...	...	...	...	...	...	...
13. Cancer of buc. cav. and oesoph. (m.), uterus (f.)	34	...	...	...	1	16	17
14. Cancer of Stomach and Duodenum	71	...	...	...	4	27	40
15. Cancer of Breast	27	...	...	...	5	12	10
16. Cancer of all other sites ...	167	...	...	1	9	65	92
17. Diabetes	22	...	...	...	1	9	12
18. Intracranial vascular lesions	280	...	...	...	6	65	209
19. Heart Disease	532	...	...	1	21	101	409
20. Other Diseases of Circulatory System	78	...	...	...	...	17	61
21. Bronchitis	129	3	1	2	4	33	86
22. Pneumonia	73	24	...	1	4	8	36
23. Other Respiratory Diseases	77	3	...	...	4	40	30
24. Ulcer of Stomach or Duodenum	15	...	...	...	3	6	6
25. Diarrhoea (under 2 years)	9	8	1	...	...	...	...
26. Appendicitis	7	...	...	2	...	3	2
27. Other Digestive Diseases ...	28	3	...	...	4	10	11
28. Nephritis	69	...	...	1	9	21	38
29. Puerperal and Post-Abortion Sepsis	2	...	...	...	2	...	...
30. Other Maternal Causes ...	7	...	...	...	7	...	...
31. Premature Birth	35	35	...	...	...	...	...
32. Congenital Malformation, Birth Injury, Infant Dis. ...	44	37	1	...	1	4	1
33. Suicide	24	...	...	...	7	8	9
34. Road traffic Accidents ...	23	...	1	1	9	9	3
35. Other Violent Causes ...	52	6	4	2	12	14	14
36. All Other Causes	283	12	2	5	16	34	214
Total	2238	135	14	18	192	554	1325

The chief causes of death during 1947 and the rates per 1,000 population compared with previous years were:—

Cause of Death	1943		1944		1945		1946		1947	
	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.
Heart Disease	476	2.8	461	2.8	486	2.9	553	3.3	532	3.22
Cancer ...	299	1.8	302	1.8	305	1.8	307	1.8	299	1.81
Tuberculosis (all forms).	126	0.75	133	0.80	113	0.69	119	0.72	117	0.71
VascularLesions of Brain ...	242	1.4	254	1.5	258	1.5	270	1.6	280	1.70
Pneumonia	96	0.5	74	0.45	69	0.42	80	0.48	73	0.44
Bronchitis ...	139	0.8	119	0.7	115	0.7	127	0.76	129	0.78

Deaths from the above causes constitute about 64% of the total deaths.

The senile mortality, *i.e.* the number of deaths of persons over 65 years was 1,325 or more than 50% of the total deaths in 1947.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

Laboratory.

The Emergency Public Health Laboratory and E.M.S. Pathological Laboratory continued to provide the bacteriological and pathological facilities in the County.

No. of bacteriological specimens examined in 1947	...	16,960
No. of pathological specimens examined in 1947	...	3,908

Ambulance facilities, Domiciliary Nursing, Hospitals.

There was no alteration in these services.

MATERNITY AND CHILD WELFARE.

Midwifery Services.

As Local Supervising Authority for the whole County, notifications were received by the County Council from 127 midwives of their intention to practise in the area.

Midwives Act, 1936.

Full particulars of the Council's Scheme and agreement with the Carmarthenshire Nursing Association appeared in the report for 1937. Section 6 of the Act has been applied to the area.

Maternity Cases attended by Midwives during 1947.

Role.	As Midwife.	As Maternity Nurse.	Total.
County Council Midwives ...	503	10	513
District Nurse Midwives ...	801	234	1035
Institution Midwives ...	1318	214	1532
Private Midwives	74	11	85
Grand Total	2696	469	3165

Inspection of Midwives, etc.

The work of the Supervisor of Midwives is summarised in the following Table:—

Visits of inspection to—

(*a*) Midwives employed by District Nursing Associations	89
(*b*) County Council and Independent Midwives ...	—
(*c*) Health Visitors and School Nurses	1
(*d*) Nursing Homes	2

Visits of investigation of—

Puerperal Pyrexia	2
Ophthalmia Neonatorum	13
Maternal Deaths	1

Miss Bestford Dunne acted as Supervisor of Midwives in the County from the 1st January to the 11th April, 1947, in the absence of Miss Eunice Jones owing to illness.

OPHTHALMIA NEONATORUM.

The cases notified are shewn in the following table:—

Year.	Cases.			Vision unimpaired.	Vision impaired	Vision lost.	Deaths.	Under Treatment at end of year.
	Notified.	Treated.						
		At Home	In Hospital.					
1943	8	3	5	8	...	...	...	...
1944	5	3	2	5	...	...	...	...
1945	4	2	2	4	...	...	...	...
1946	3	2	1	3	...	...	...	...
1947	3	1	2	3	...	...	...	...

PUERPERAL PYREXIA—1947.

Notifications.	Treated in Hospital.	Treated at Home.
20	14	6

In no case was a second opinion requested.

INSTITUTIONAL PROVISION FOR MOTHERS.

	No. of Beds.	Patients Admitted.	Live Births.
Beds available at Carmarthen Infirmary ...	24	911	840
Beds available at Penlan Maternity (Convalescent) Unit	10	405	—
Beds available at Amman Valley Hospital ...	11	286	260
Beds available at Bryntirion	2	10	10
Beds available at Abercennen	1	4	4
Beds available at Llanelly Borough Maternity Home	12	394	373
Beds available at Nursing Homes	1	—	—
Totals ...	61	2010	1487

Except at the Nursing Homes, the Llanelly Borough Maternity Home, and eight beds at the Carmarthen County Infirmary, the County Council accept responsibility for maintenance charges of the above beds, the patients being required to contribute according to their means.

MATERNAL MORTALITY.

The causes of death due to pregnancy or childbirth are given by the Registrar-General as follows:—

Puerperal Sepsis	2
Other Puerperal causes	7
	9

	Puerperal Infections.	Abortion	Abortion with Sepsis.	Other Causes.	Total.
Maternity and Child Welfare area ...	1	...	...	4	5
Llanelly Borough ...	1	...	...	2	3
Carmarthen Borough ...	...	...	...	1	1
Whole County ...	2	...	...	7	9
Rate per 1,000 live and still births	0.65	...	...	2.29	2.94
Rate for England and Wales	0.16	0.06	0.10	0.85	1.17

The "Other Causes" of death in the above table for the County Maternity and Child Welfare area were:—Obstetric Shock, 2; Precipitate Labour, 1; Eclampsia, 1.

Year.	Maternal Deaths.	No. of Births.	Rate per 1,000 total births.	Rate for England and Wales.
1943	5	2642	1.8	2.29
1944	12	2924	3.9	1.93
1945	10	2597	3.7	1.79
1946	10	2760	3.5	1.43
1947	9	3054	2.9	1.17

The cases of women who died in or following childbirth were investigated and confidential reports sent to the Chief Medical Officer of the Welsh Board of Health.

I wish to record my appreciation of the co-operation of the medical practitioners in reporting voluntarily all such cases and enabling the desired confidential reports to be completed.

NOTIFICATION OF BIRTHS.

The County Council is the Maternity and Child Welfare Authority for the County with the exception of Llanelly Borough and Carmarthen Borough.

During the year, 2,152 (live and still) births were notified in the County Maternity and Child Welfare area.

Infant Mortality Rate.

The number of deaths of infants under 1 year in 1947 is shown in the following Table:—

Classification.	M.	F.	Total.
Legitimate	73	53	126
Illegitimate	3	6	9
Total ...	76	59	135

This gives an infant mortality rate of 45.60 in 1947, compared with a rate of 41.0 for England and Wales.

The chief causes of deaths of infants under 1 year old were:—

	Urban.	Rural.	Total.
Premature Birth	13	22	35
Congenital Malformation, Birth Injuries, Infant diseases	17	20	37
Pneumonia	12	12	24

Still Births.

A still-birth is defined as the birth of a child after the twenty-eighth week of pregnancy, which, after complete expulsion, did not breathe or show any signs of life. There were 94 still-births (57 males and 37 females) registered in the County in 1947, giving a rate of 30.78 per 1,000 total births.

HEALTH VISITING.

The County is mainly covered by the 37 District Nurse-Midwives, there being 7 whole-time health visitors.

The following is a brief summary of the Health Visitors' work during the past five years.

Year.	Infants under 1 year.		Children 1—5 years.	Grand Total.
	1st visits.	Total visits.		
1943	1963	16603	18361	34964
1944	2112	17312	18466	35778
1945	1848	16308	19009	35317
1946	1873	14870	17979	32849
1947	2072	14885	18909	33794

INFANT WELFARE CENTRES.

Twenty-six Infant Welfare Centres are provided and maintained by the County Council and I should like to place on record my appreciation of the great help given by local volunteers.

Grants were also made to two Centres outside the County in respect of attendances made by mothers and children from this County.

Total number of children who attended Centres for the FIRST TIME during the year:—

Under 1 year of age	1535
Between 1 and 5 years of age	139

Total number of children under 5 years of age who attended Centres during the year and who at the end of the year were:—

Under 1 year of age	1276
Over 1 year of age	1453

ANTE-NATAL AND POST-NATAL CLINICS.

Ante-natal and Post-natal work is carried out at Carmarthen Infirmary, Amman Valley Hospital and at the Ammanford Clinic.

The only Ante-natal and Post-natal Clinic maintained by the County Council was at Ammanford, but arrangements were completed towards the end of the year for the establishment of additional Ante-Natal Clinics at Burry Port, Kidwelly, Llandilo, Llangennech, and Whitland.

During 1947, 128 expectant mothers were examined and 32 post-natal examinations were made at the Ammanford Clinic, total attendances amounting to 1,746.

ANCILLARY SERVICES.

Medical Aid.—Midwives must call in a doctor in all cases of illness of the patient or child, or owing to any abnormality occurring during pregnancy, labour or lying-in. The County Council pay the doctor's fee, but the cost is recovered according to the circumstances of the patient.

Birth Control.—Cases are seen at the Llanelly Gynaecological Clinic with the consent of the County Medical Officer of Health.

Dental Treatment of Expectant and Nursing Mothers.—In collaboration with the Local Dental Committee, the County Council adopted a Scheme for the provision of dental treatment for expectant and nursing mothers by private dentists. All dentists practising in the County agreed to participate in the arrangements which were put into operation early in 1948. The Scheme was based on the provisions of the National Health Insurance (Dental Benefit) Regulations, and subject to supervision and control by the Chief Dental Officer of the County Council. Unfortunately, the arrangements lapsed when the National Health Service started on the 5th July, 1948.

MEDICAL TREATMENT OF INFANTS.

All arrangements for the medical treatment of school children are available for those under school age. The following is a summary of the treatment undertaken during 1947:

Ear, Nose and Throat Defects.—Four children were referred to the Surgeons for examination and advice. Six children received in-patient hospital treatment for enlarged tonsils and adenoids.

Eye Defects.

Number of children examined by Surgeons ...	27
Number of children for whom glasses were provided:	
By the Committee	10
By private arrangements made by parents ...	2

Plastic Surgery.—Cases requiring plastic surgery are treated by Professor T. Pomfret Kilner, F.R.C.S., at the Lord Mayor Treloar Hospital, Alton, Hampshire. The number of children admitted to the Hospital during 1947 was:

Maternity and Child Welfare Committee ...	Nil.
Education Committee	4

Orthopaedic Treatment.—The arrangements for orthopaedic treatment continued along the lines set out in previous reports. Co-operation was maintained with the Prince of Wales Hospital, Cardiff, but conditions did not allow for the early admission of patients. Twenty cases were admitted to the Hospital during the year, one being a case of the Maternity and Child Welfare Committee.

The vacant post of Assistant Orthopaedic Sister was filled in the early part of the year and it was, therefore, possible to re-open the Llandebie Clinic and to increase the number of sessions held at other Clinics. Additional Clinics were also established at Kidwelly, Pontyates and Whitland. Seventeen Clinics are now functioning in the County.

879 new cases were dealt with at the Orthopaedic Clinics during the year: 560 Education, 316 Maternity and Child Welfare, 2 Public Health and one other.

The Visiting Orthopaedic Surgeon made six visits to the County during the year when he held special Clinics at Llanelly, Carmarthen, and Ammanford. He examined 236 patients, of whom 75 were cases of the Maternity and Child Welfare Committee and 9 cases of the Public Health Committee.

On the 31st December, 1947, there were 1,949 cases on the books of the Orthopaedic Clinics:—

Education Committee	1,454
Maternity and Child Welfare Committee	463
Public Health Committee	21
Others	11

An analysis of the Maternity and Child Welfare and Public Health cases at the end of the year, according to diagnosis, is as follows:—

	M. & C.W.	Public Health
Paralysis:		
Infantile	7	6
Spastic	9	2
Obstetrical	...	...
Other	...	...
Congenital Deformities	201	3
Infective Conditions of Bones and Joints	...	3
Non-infective conditions of Bones and Joints:		
Rickets	6	...
Other	...	3
Static or Postural Defects	233	1
Traumatic Deformities	2	2
Multiple Defects	...	...
Miscellaneous	5	1
Totals	463	21

The following Table gives a summary of the work carried out by the Orthopaedic Sisters during the year 1947:—

	M. & C. W.	Public Health.
Number of individual cases under Scheme on 1st January...	328	17
Number of new cases during the year	316	2
Number of cases transferred to	1	4
Number of individual cases dealt with during year	645	23
Number of cases transferred from	86	...
Number of cases withdrawn from Scheme before the end of year	96	2
Number of children under the Scheme on the 31st December...	463	21
Total number of attendances made at Clinics	1994	49
Number of manipulations by Sisters	1424	19
Number of plasters applied by Sisters	95	1
Number of plasters reinforced by Sisters	29	3
Number of plaster casts taken by Sisters	...	...
Number of individual children received remedial exercises by Sisters	14	1
Number of individual cases massaged by Sisters	...	...
Number of home visits by Sisters	241	44
Number of cases examined by Visiting Orthopaedic Surgeon ...	75	9
Number of cases recommended in-patient Hospital treatment by Surgeon	3	...
Number of cases admitted to Hospital for in-patient treatment:—		
For the first time	1	...
Re-admitted for further treatment...	...	...

PLASNEWYDD MOTHERCRAFT HOSTEL.

Plasnewydd Mothercraft Hostel, Burry Port, which was opened by the Women's Voluntary Services in 1946 for the care of unmarried mothers and their children, was transferred to the County Council as from the 1st August, 1947. The Women's Voluntary Services generously handed over the Hostel to the Council as a " going concern," including the Hostel furniture and equipment.

The Hostel which has accommodation for ten ante-natal patients and ten post-natal patients, and ten infants, meets a real need. Cases are admitted in collaboration with the St. David's Diocesan Moral Welfare Committee.

There were twelve cases at the Hostel on the 1st August, 1947, two of which were from Carmarthenshire. Thirteen patients were admitted up to the 31st December, 1947, and 16 patients were discharged in that period. The nine patients at the Hostel on the 31st December were from the areas of the following Maternity and Child Welfare Authorities:—

Carmarthenshire	3
Pembrokeshire	3
Glamorganshire	1
Llanelly Borough	1
Other	1

CHILD LIFE PROTECTION.

The administration of Sections 206-220 of the Public Health Act, 1936, remains as outlined in previous reports. All the routine visiting is done by the Health Visitors with supervisory visits made by members of the medical staff and the Superintendent Health Visitor.

No child was removed to a " place of safety " and it was not found necessary to resort to legal proceedings under any parts of the Act.

The following figures indicate the position at the beginning and end of the year 1947.

1.—**Foster Parents.**

No. on Register on the 1st January, 1947	5
No. on Register on the 31st December, 1947 ...	2

2.—**Foster Children.**

No. on Register on the 1st January, 1947	5
No. removed from Register during the year	4
No. of new registrations	1
No. on Register on the 31st December, 1947 ...	2

In no cases were foster mothers guaranteed payment by the Welfare Authority.

ADOPTION OF CHILDREN (REGULATION) ACT, 1939.

Enquiries were made during the year as to the suitability of persons to adopt children. The number of Infant Protection Officers in the County number ten. Of these eight are Health Visitors and come into contact with cases in the course of their routine duties. In addition, there are two male Visitors.

National Society for the Prevention of Cruelty to Children.

The services of Mr. J. Murray and Mr. A. E. H. Jones, local inspectors of the Society, have been frequently called upon, and they have become an almost essential part of the public health services. Their services are invaluable and are greatly appreciated.

MENTAL DEFECTIVES.

		Pantglas Hall.	Other Institutions.
Number of cases in Institutions on the 31st December, 1947		47	7
Number of above admitted during the year		—	1
Classification:	Idiots	3	—
	Imbeciles	6	2
	Feebleminded ...	38	5

NURSING HOMES REGISTRATION (PUBLIC HEALTH ACT, 1936).

No. of applications for registration during 1947	Nil.
No. of applications refused	Nil.
No. of registrations cancelled	Nil.
Total number of Homes registered on the 31st December, 1947	Two.

Number of beds provided:—

Maternity	1
Others	9

COUNTY ISOLATION HOSPITALS.

The Tumble and Penygroes Isolation Hospitals serve the whole County of Carmarthenshire.

Admissions are restricted as far as possible to a list of diseases already circulated to all General Practitioners, Institutions and Health Offices in the County, but the first consideration is that of service to the community.

Number of patient-days in respect of both hospitals for the year 1947	14,339
Number of patients admitted to both hospitals during the year 1947	460
Number of patients who died in both hospitals during the year 1947	11
Number of patients who died in both hospitals during the year 1947 from confirmed acute infectious diseases	1
Average daily bed occupancy in respect of both hospitals for the year 1947	39

The 460 patients admitted were found to be suffering from the following diseases:—

Nature of Case.	No. of Patients admitted.
Diphtheria	2
Diphtheria Carriers	6
Scarlet Fever	136
Puerperal Fever	10
Ophthalmia Neonatorum	2
Anterior Poliomyelitis	52
Infectious Mononucleosis	16
Cerebro-spinal Fever	11
Rubella	8
Measles	65
Mumps	1
Whooping Cough	3
Epidemic Jaundice	6
Acute Chorio-lymphocytic Meningitis ...	2
Pneumonia	20
Erysipelas	4
Vincent's Angina	4
Sonne Dysentery	2
Weil's Disease	1
Typhoid Fever	1
Typhoid Fever Carrier	3
Paratyphoid " B " Fever	4
Salmonella Typhi-murium Enteritis ...	1
Rheumatic Fever	10
Others	90
Total	460

The cases classified as " Others " in the above table were of diverse clinical conditions which are fully designated in the monthly hospitals report.

ADMISSIONS AND DEATHS FOR THE YEAR 1947.

The following table summarises the Hospital Admissions and Deaths during the year:—

Disease Groups.	Admissions.	Deaths.	% Deaths of Disease Groups.	% Deaths of Total Admissions.
Confirmed Acute Infectious Diseases	370	1	0.26	0.21
Tuberculous Meningitis	3	2	All died, one after transfer to City Isolation Hospital, Cardiff.	0.43
Other Diseases	87	8	9.19	1.74
Total Other Diseases	90	10	11.11	2.17
Grand Total	460	11	...	2.39

Deaths were due to:—

Acute Infectious Diseases:

One case of Measles and Acute Encephalitis.

Other Diseases:

Two cases of Tuberculous Meningitis.

Eight cases of various Non-infectious Diseases.

ACUTE COMMUNICABLE DISEASES.

One death occurred during the year from Acute Infectious Disease, which gives a death rate of 0.26% for all communicable diseases. The comparable figure for 1946 was 0.9%.

ACUTE POLIOENCEPHALOMYELITIS.

The epidemic of the above disease in the County subsided in November, 1947, but three cases were notified in that month and two in December.

A summary of the cases of Poliomyelitis and Polioencephalitis admitted to the County Isolation Hospitals during the year 1947, is given in the following table:—

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Admitted ...	1	0	1	0	0	1	8	15	14	8	3	2	53
Admitted as "Other" diseases...	0	0	0	0	0	0	1	2	5	5	0	1	14
Confirmed	1	0	1	0	0	0	7	11	18	11	1	2	52

It will be seen that of the 53 cases admitted as suffering from the disease, 38 were confirmed while 14 cases admitted as "Other Diseases" proved to be poliomyelitis or polioencephalitis. The age distribution of these 52 confirmed cases was as follows:—

0—5	5—10	10—15	15—20	20—25	25—30	30—35	35—40	40
14	8	9	7	5	6	0	3	0

No death occurred in this series of cases, and in only one was paralysis of such widespread nature as to require the use of an iron lung.

41 made a complete recovery, and 11 were left with paralysis to the following extent:—

Right Leg	...	...	1
Left Arm	...	...	2
Left Leg ...	...	...	2
Both Arms	...	...	1
Both Legs	...	...	5

Of these eleven cases with residual paralysis, it was estimated that in not more than four would paralysis ultimately be left to sueh an extent as to bc an inconvenience.

Our series of cases shows all in all this epidemie to have been of only very moderate severity. Paralysis was mainly restricted to those past childhood which points to a conelusion generally agreed, that physieal aetivity in the early stages of the disease increases the danger of paralysis. Early diagnosis and hospitalisation by the general practitioner makes the most important contribution to the prevention of severe paralysis in this disease.

The following table gives partieulars of notifications of infeetious diseases received for the whole of the Administrative County and the number of deaths for certain diseases:—

Disease.	No. of eases notified.	No. of Deaths as given by Reg. General.
Searlet Fever	175	—
Whooping Cough	118	2
Diphtheria	13	1
Measles	1928	2
Pneumonia	125	73
Cerebro Spinal Fever	11	—
Anterior Poliomyelitis	43	— 1
Polio-eneephalitis	6	—
Eneephalitis Lethargica ...	—	—
Dysentery	4	—
Ophthalmia Neonatorum ...	4	—
Puerperal Pyrexia	20	2
Smallpox	—	—
Typhoid and Paratyphoid Fevers	7	1
Erysipelas	13	—
Tuberculosis (Pulmonary) ...	230	100
Tuberculosis (Non-Pulmonary)	85	17

DIPHTHERIA IMMUNISATION.

The number of children under 5 years of age immunised in 1947 by the County Council as Maternity and Child Welfare Authority was 1,286, and the total number of immunised infants under five is 4,520, i.e., 49%; a figure which although a safeguard must be improved upon.

SMALL-POX.

No eases of the above disease were reported during the year and there are no facilities within the County for treating this disease. Arrangements are made with the County Borough of Swansea in the event of eases oceurring in Carmarthenshire for their admission to Swansea Small Pox Hospital.

CANCER.

The death rates per 1,000 population during the last five years have been:—

Year.	No. of Deaths.	Rate per 1,000 population.
1943	299	1.8
1944	302	1.8
1945	305	1.8
1946	307	1.8
1947	299	1.8

A classification of the causes of death from Cancer during 1947 is as follows:—

Site of Cancer.	All Ages.			Age Periods.					
	M.	F.	T.	0–	1–	5–	15–	45–	65–
Mouth, Gullet and Uterus	13	21	34	...	...	...	1	16	17
Stomach and Duodenum	37	34	71	...	...	...	4	27	40
Breast	1	26	27	...	...	...	5	12	10
All other sites	88	79	167	...	...	1	9	65	92
Totals	139	160	299	...	...	1	19	120	159

The age distribution of the deaths registered in 1947 is as follows:—

	0—	1—	5—	15—	45	65	Grand Total.
Males	—	—	1	8	50	80	139
Females	—	—	—	11	70	79	160
Total	—	—	1	19	120	159	299

The treatment of Cancer is now the responsibility of the South Wales and Monmouthshire Joint Cancer Committee, who are increasing the facilities available in South Wales and Monmouthshire.

The following Table gives the number of deaths in the County for the last five years due to Heart Disease, Cancer, and Tuberculosis:—

Year.	Heart Disease.	Cancer.	Tuberculosis, All Forms.
1943	476	299	126
1944	461	302	133
1945	486	305	113
1946	553	307	119
1947	532	299	117

VENEREAL DISEASES.

Carmarthenshire cases are treated at the Venereal Diseases Clinics at the Swansea and Llanelly General Hospitals. The latter clinic was opened on the 9th January, 1947.

222 new patients from the County attended during the year as follows:—

	Syphilis.	Soft Sore.	Gonorrhoea.	Non-V.D. and other conditions	Total.
Swansea Clinic	28	4	37	37	106
Llanelly Clinic ...	40	—	20	56	116
Total	68	4	57	93	222

Total attendances of patients during the year:—

Swansea Clinic	1741
Llanelly Clinic	1214
Total ...	2955

Eight patients received in-patient treatment at the Swansea General Hospital, the number of in-patient days being 61.

The following Table gives comparative numbers of new cases dealt with for the first time during each of the last five years:—

Year.	Acquired and Congenital Syphilis.			Soft Sore.	Gonorrhoea.			Undiagnosed and Non-V.D.
	M.	F.	T.	M.	M.	F.	T.	T.
1943 ...	31	26	57	...	24	11	35	66
1944	38	25	63	...	27	8	35	90
1945 ...	14	23	37	...	38	18	56	69
1946 ...	39	37	76	2	62	10	72	122
1947 ...	42	26	68	4	52	5	57	93

The following Table summarises the work of the Clinics during 1947:—

New and Old Cases.	Swansea Clinic.		Llanelly Clinic.		Total Male	Total Female	Total
	M.	F.	M.	F.			
(1) Cases under treatment or observation on January 1st ...	200	107	...	...	200	107	307
(2) Returned defaulters ...	—	—	—	—	—	—	—
(3) New cases dealt with for the first time and suffering from:							
(*a*) Syphilis:							
Primary	14	9	7	6	21	15	36
Secondary ...	2	1	6	1	8	2	10
Latent	—	—	4	2	4	2	6
Later Stages ...	2	—	6	5	8	5	13
Congenital ...	—	—	1	2	1	2	3
(*b*) Soft Sore	4	—	—	—	4	—	4
(*c*) Gonorrhoea	35	2	17	3	52	5	57
(*d*) Non-Venereal or undiagnosed ...	26	11	37	19	63	30	93
(4) New cases previously treated at other centres, etc. ...	19	4	21	11	40	15	55
Totals ...	302	134	99	49	401	183	584
Attendances as Out-Patients:—							
(*a*) Seen by Medical Officer	1010	511	609	343	1619	854	2473
(*b*) For intermediate treatment	139	81	149	113	288	194	482
Total attendances	1149	592	758	456	1907	1048	2955
"IN-PATIENTS":—							
In-patients admitted for treatment during year	6	2	...	...	6	2	8
No. of in-patient days of treatment	45	16	—	...	45	16	61

The following Table shows the results of treatment in 1947:—

	Swansea Clinic.				Llanelly Clinic.			
	Syphilis	Soft Sore	Gonorrhoea.	Not V.D. etc.	Syphilis	Soft Sore	Gonorrhoea	Not V.D. etc.
Cases under treatment, etc., on January 1st ...	149	4	94	60	...	...	...	...
Cases dealt with for first time, including new cases, returned defaulters and transfers in ...	41	5	45	38	50	...	29	69
Total ...	190	9	139	98	50	...	29	69
Discharged cured after completion of treatment	10	4	59	51	2	...	10	35
Ceased to attend before completion of treatment	62	...	1	...	4	...	5	...
Ceased to attend after completion of treatment but before final tests of cure	20	2	49	28	2	...	2	...
Cases under treatment or observation that died from the disease ...	...	...	...	...	1	...	...	...
Transferred out to other Centres, Institutions, etc.	8	...	2	3	2	...	...	1
Cases remaining under treatment, etc., on 31st December	90	3	28	16	39	—	12	33
Total ...	190	9	139	98	50	...	29	69

The cost charged to the County Council for treatment at the Swansea Centre in 1947 was £899 0s. 3d. as compared with £1,512 3s. 0d. in 1946.

The amount paid as travelling expenses to and from the Centres for necessitous cases was £20 13s. 10d. in 1947, as compared with £27 6s. 11d. in 1946.

Defence Regulations—Regulation 33B.

The number of contacts notified under Defence Regulation 33B was 4, including one for whom two or more Forms I were received. All were traced. Tracing contacts is sometimes impossible or difficult owing to incorrect addresses, which are sometimes completely fictitious.

The Regulation which was introduced in 1943 as a special war-time measure, expired on the 31st December, 1947, as it was considered by the Minister of Health that the continuation of its powers could not be justified.

The medical staff have also contacted and advised many ex-servicemen reported on Service forms as having been under treatment or observation for V.D.

TUBERCULOSIS.

Two Tuberculosis Officers cover the County and each has the help of a Clinic Nurse. The Tuberculosis Physicians of Pembrokeshire and Swansea also attend Carmarthenshire cases along the borders of the County.

Incidence—Comparative Statement.

The number of new cases reported by formal notification or otherwise and the case rates per 1,000 population during the past five years are as follows:—

Year.	No. of Pulmonary cases.	Case rate.	No. of Non-pulmonary cases.	Case rate.
1943	225	1.3	56	.33
1944	290	1.7	66	.40
1945	257	1.5	69	.42
1946	229	1.3	56	.33
1947	230	1.39	85	.52

The mortality figures for the same five years are as follows:—

Year.	Deaths from Pulmonary T.B.	Death Rate per 1,000 population.	Deaths from Non-Pulmonary T.B.	Death Rate per 1,000 population.
1943	103	.62	23	.13
1944	112	.68	21	.12
1945	89	.54	24	.14
1946	101	.61	18	.10
1947	100	.60	17	.10

The following Table shows the age distribution of all new cases notified during 1947:—

Age Periods.	1947.				
	Pulmonary.		Non-Pulmonary.		Total.
	M.	F.	M.	F.	
0—1	...	...	...	...	...
1—5	1	1	4	2	8
5—15	9	4	6	6	25
15—25	30	36	9	10	85
25—35	20	33	9	11	73
35—45	28	18	2	6	54
45—55	14	7	7	1	29
55—65	15	7	7	...	29
65 + ...	5	2	3	2	12
TOTAL ...	122	108	47	38	
GRAND TOTAL ...	230		85		315

The following Table shows the deaths from Tuberculosis classified into the various age groups for the year 1947:—

Age Periods.	Deaths from Tuberculosis. 1947.			
	Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.
0—1	...	...	...	...
1—5	...	...	1	1
5—15	...	...	1	...
15—45	24	28	4	7
45—65	27	11	1	1
65 + ...	8	2	...	1
Total ...	59	41	7	10
Grand Total	100		17	

Examinations and Dispensary Records.

During the year 2,022 new cases, including 197 contacts, were examined. Of these 217 were diagnosed as definitely tuberculous and 1,805 as non-tuberculous. 930 patients (706 pulmonary and 224 non-pulmonary) were on the Dispensary registers on the 31st December, 1947.

In the year under review, 333 cases were written off, 60 as recovered, 103 dead and 49 removed from the County or otherwise lost sight of and 121 for other reasons.

TUBERCULOSIS.

TABLE SHOWING THE WORK OF THE DISPENSARIES.

DIAGNOSIS.	1947.												
	Pulmonary.				Non-Pulmonary.				Total.				Grand Total.
	Adults.		Children.		Adults.		Children.		Adults.		Children.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
A. Number of definite cases of Tuberculosis on the Dispensary Register at the beginning of the year	378	262	37	48	53	91	51	42	431	353	88	90	962
Transfers from other Authorities ...	20	22	...	...	13	17	...	...	33	39	...	...	72
Lost sight of cases returned during the year	3	3	...	...	...	...	...	...	3	3	...	...	6
B. Number of New Cases diagnosed as Tuberculous during the year:—													
1. Class TB. Minus	33	40	12	6	...	...	...	...	33	40	12	6	91
2. Class TB. Plus	48	39	...	2	...	...	...	...	48	39	...	2	89
3. Non-Pulmonary	...	...	...	...	15	14	6	8	15	14	6	8	43
C. Number of cases included in A and B written off the Dispensary Register during the year as:—													
1. Recovered	17	16	...	...	11	11	5	...	28	27	5	...	60
2. Dead (all causes)	52	46	...	...	2	3	...	...	54	49	...	...	103
3. Removed to other Areas ...	18	22	...	1	2	5	...	1	20	27	...	2	49
4. For other reasons	29	15	15	16	10	8	12	16	39	23	27	32	121
D. Number of definite cases of Tuberculosis on the Dispensary Register at the end of the year	366	267	34	39	56	95	40	33	422	362	74	72	930

Residential Treatment.

There were 119 patients in Sanatoria on the 1st Jan, 1947. 191 patients were admitted during the year, 148 were discharged, 10 died, and one was transferred, leaving 151 in-patients on the 31st December, 1947.

TUBERCULOSIS AFTER-CARE.

During the year 106 certificates were received from the Tuberculosis Officers recommending patients for allowances under the Ministry of Health Memorandum 266/T. Of these, 73 applications were referred to the Director of Social Welfare for assessment of which 66 were granted and paid during the year. Seven applicants were found to be ineligible for allowances after assessment. The total cost was £7,203 6s. 11d. for the twelve months ended 31st March, 1948.

Similarly, 52 applications for assistance were received under the County Council's Tuberculosis After-Care Scheme and allowances were paid in each case. The cost was £4,308 18s. 9d. for the twelve months ended 31st March, 1948.

The following is a brief summary of the work of the Health Visitors during the year:—

1st Visits.	Pulmonary.	Non-Pulmonary.	Re-visits.	Total.
154	118	36	998	1152

During the year 16 cases with bad housing conditions were referred to the local sanitary authorities.

BLIND PERSONS ACTS, 1920 AND 1938.

These Acts are administered by the County Council through the Blind Persons Act Committee and the Carmarthenshire Blind Society who act as their agents.

Registration.—During the year ended 31st December, 1947, 64 new cases were examined, of whom 52 were found to be blind within the meaning of the Act.

The total number of blind persons on the Register was 332, as compared with 310 the previous year.

All persons able to travel are examined by the Ophthalmic Surgeons at Eye Clinics held at Ammanford, Carmarthen and Llanelly. Persons unable to travel to Eye Clinics are examined at their homes by the Medical Staff of the County Council or by the Ophthalmic Surgeons. The form of report and certificate issued by the Ministry of Health is completed in each case.

Training.—One blind boy was being educated at a School for the Blind under the County Education Committee, and one girl was receiving vocational training.

Home Workers.—The number of Home Workers in the County is seven.

Employment.—The number of blind persons supporting themselves is 16, and the number of unemployable blind is 314.

Home Teachers and Visitors.—There are three Home Teachers in the County.

Welfare.—Free medical attention is available to the unemployable blind when needed.

Maintenance Grants.—The financial circumstances of all the unemployable blind are carefully enquired into and where necessary, their incomes augmented. 253 were receiving allowances at the end of December, 1947.

TABLE I.—Age distribution of Persons on Blind Register.

0—1	1—5	5—16	16—21	21—40	40—50	50—65	65—70	70+	Unknown	Total.
...	1	1	2	15	24	86	27	172	4	332

TABLE II.—Ages at which blindness occurred.

0—1	1—5	5—10	10—20	20—30	30—40	40—50	50—60	60—70	70+	Unknown	Total.
18	3	4	9	18	28	31	50	72	71	28	332

TABLE III.—Children of School Age—5—16.

Normal.			Mentally Defective.			Physically Defective.			Total.
In School for Blind.	Other Schools.	Not at School.	In School for Blind.	Other Schools	Not at School.	In School for Blind.	Other Schools.	Not at School.	
1	...	...	...	...	...	...	...	...	1

TABLE IV.—Training and Employment.—Age 16 and upwards.

Employed.				Undergoing Training.						
By Blind Organisations.		All others not in (a) or (b) (c)	Total employed. (d)	Industrial (e)	Secondary. (f)	Professional or University. (g)	Trained but Unemployed (h)	Not Training but Trainable. (i)	Unemployable (j)	Total. (k)
Workshops (a)	Home Workers (b)									
2	7	7	16	1	...	1	...	...	314	332

TABLE V.—Physically and Mentally Defective—(All Ages).

(a) Mentally Defective.	(b) Physically Defective.	(c) Deaf.	(d) Deaf mute.	(e) Combination of (a) & (b)	(f) Combination of (a) & (c) or (d).	(g) Combination of (b) & (c) or (d).	(h) Combination of (a) (b) & (c) or (d).	Total.
8	34	2	3	3	1	...	...	51

MILK CONTROL.

The number of animals slaughtered under the Tuberculosis Order, 1925, during the past five years is as follows:—

1943	36
1944	24
1945	12
1946	21
1947	16

The following Table gives the number of licences issued under the Milk (Special Designations) Order, 1936, during the year 1947:—

Number of "Accredited Milk" Licence holders in the County on the 31st December, 1947	855
Number of New "Accredited Milk" Licences issued during 1947	45
Number of "Tuberculin Tested Milk" Licence holders in the County on the 31st December, 1947	600
Number of New "Tuberculin Tested Milk" Licences issued during 1947	62

For purposes of comparison the following summary is given showing the number of licences issued up to the end of the last five years:—

	1943	1944	1945	1946	1947
Accredited Licences ...	1152	1216	892	867	855
Tuberculin Tested do. ...	202	219	465	535	600

Sampling of Designated Milk.—The aim is to take four samples yearly of each designated milk. If three consecutive samples prove satisfactory during the year the fourth sample is not taken. If the results of consecutive samples are unsatisfactory a "run of samples" is taken.

The following table shows the number of samples taken during the last three years, and also the percentage of unsatisfactory samples:—

Year.	No. Taken.	No. Unsatisfactory.	% Unsatisfactory.
1945 ...	739 ...	437 ...	59%
1946 ...	3702 ...	1907 ...	51.5%
1947 ...	3462 ...	1214 ...	35%

Revocation of Licences.—During 1947, six licences of Tuberculin Tested Producers and seven licences of Accredited Producers were revoked owing to unsatisfactory samples. A designated licence may be renewed on application at the end of a period of six months following revocation provided that a series of samples of milk collected during that time have shown a consistent standard of cleanliness.

Milk in Schools Scheme.—During 1947, 773 samples were taken by the Chief Inspector of Weights and Measures of milk supplied to schools. Of these 599 were found to be satisfactory and 174 unsatisfactory.

Milk and Dairies Order, 1926.—The number of inspections of cowsheds and dairies carried out by the Local Sanitary Authorities during 1947 was 1,304, viz.:—Llanelly Borough 157, Carmarthen Borough 49, Llandilo Urban 60, Llandovery Borough 26, Kidwelly Borough 30, Newcastle Emlyn Urban 6, Ammanford Urban 132, Burry Port Urban 25, Cwmamman Urban Nil, Llanelly Rural 257, Carmarthen Rural 306, Llandilo Rural 91, Newcastle Emlyn Rural 165.

The number of samples taken by the Local Sanitary Authorities during 1947 was 1,034.

SANITARY CIRCUMSTANCES.

Pollution of Rivers.—A complaint was received from the Ammanford and District Angling Association that the Amman Valley Rivers were subject to extensive pollution by industrial undertakings, particularly the National Coal Board. The complaint was taken up with the National Coal Board who gave assurances that everything possible was being done to avoid pollution.

Shellfisheries.—These are situated at Ferryside, Llanstephan and Laugharne. No complaints have been received regarding shellfish from these areas.

Sewage Disposal.—Sewage disposal schemes are being brought into existence by some District Authorities, who, it is stressed, should combine for this purpose wherever possible.

TABLE I. **VITAL STATISTICS—1947.**

Name of District.	Estimated Population for 1947	Nett Births		Deaths Registered in District.		Transferable Deaths.		Deaths under 1 year.		Area of District in Acres.	Census 1931.
		No.	Rate per 1000 Population.	No.	Rate per 1000 Population.	Outward. Non-Residents registered in District.	Inward. Residents registered in District.	No.	Rate per 1000 Nett Births.		Total Population at all ages
URBAN											
Llanelly ...	34,460	608	17.64	466	13.52	78	23	23	37.82	2069	38416
Carmarthen ...	10,190	222	21.78	144	14.13	144	6	10	45.04	5160	10310
Llandilo ...	1,876	34	18.12	44	23.45	2	9	5	147.05	304	1886
Llandovery ...	1,908	26	13.62	17	8.90	3	4	1	38.46	1266	1980
Kidwelly ...	2,891	59	20.40	44	15.21	1	6	3	50.84	2854	3159
Newcastle Emlyn	766	12	15.66	10	13.05	...	3	...	...	208	763
Ammanford ...	6,450	111	17.20	95	14.72	...	22	6	54.05	944	7164
Burry Port ...	5,697	123	21.59	85	14.92	1	12	4	32.52	1374	5755
Cwmamman ...	4,532	81	17.87	71	15.66	4	13	4	49.38	756	5217
Total ...	68,770	1,276	18.55	976	14.19	233	98	56	43.88	4935	74650
RURAL											
Llanelly ...	34,870	623	17.86	458	13.13	21	104	37	59.39	51367	37266
Carmarthen ...	28,120	513	18.24	326	11.59	6	68	17	33.13	202622	29269
Llandilo-fawr ...	25,090	413	16.46	339	13.51	13	58	14	33.89	236706	28875
Newcastle Emlyn	8,280	135	16.30	139	16.78	3	22	11	81.47	82842	9040
Total ...	96,360	1,684	17.47	1,262	13.09	43	252	79	46.91	573537	104450
Urban Districts	68,770	1,276	18.55	976	14.19	233	98	56	43.88	14935	74650
Rural Districts...	96,360	1,684	17.47	1,262	13.09	43	252	79	46.91	573537	104450
Whole County	165,130	2,960	17.93	2,238	13.55	276	350	135	45.60	588472	179100
England & Wales	...	...	20.50	...	12.00	...	...	...	41.00	...	...